



ABSTRACT

TAMIL NADU POLLUTION CONTROL BOARD - MODIFICATIONS IN THE CATEGORIZATION OF INDUSTRIES ISSUED IN B.P.NO. 34 DT 05.10.2012, IN VIEW OF THE DISCREPANCIES IN CATEGORIZATION OF INDUSTRIES – ORDERS ISSUED – REG

B.P.No. 37

Dt. 1.6.2013

Read:

1. Board Circulation Agenda No.CA/BM/04/2013

Tamilnadu Pollution Control Board in its meeting held on 28.09.2012 vide its Item No. 248-1-22 had resolved to approve the Recategorization of Industries in view of direction issued by CPCB under the Water (P&CP) Act for categorization of industries as Red, Orange and Green.

Based on the above, Board has issued a B.P.No.34 dt 05.10.2012 listing the Red category industries with Sl. No 1-85, Orange Category industries with Sl. No. 301-373 and Green Category industries with Sl. Nos. 601-686 as per CPCB direction. In the direction issued by CPCB, it was permitted that the State Pollution Control Boards can maintain additional List of industries. Based on this, certain category of industries which were listed in the previous list of Category of Industries as approved vide B.P.Ms No. 37 dated 10.03.2010 and which are not listed in the CPCB List were also included as additional list. Accordingly Sl.No. 86-102, were categorized as Red and Sl.Nos 374-449 as Orange.

While maintaining the additional list, it was expressed by the Officers that there are some ambiguity in categorization. It has been pointed out that certain industrial Categories which are listed under one category (e.g. S.No. 27: Heavy engineering including ship building (With investment on Plant & Machineries more than 10 Crores) is kept under Red, is also been listed in S.No. 414: Light Engineering Unit as Orange). This has created a situation where in Engineering and Fabrication Units (with investment on Plant and Machinery value of above Rs.10 Crores is categorized as Red by some of the offices, as Heavy Engineering, wherein certain offices categorized the same as Orange Category under Light Engineering Unit. Further, some of the additional list of industries which could have categorized as Red and Orange by TNPCB have been listed under the main list considering the process adopted and similar type of products are listed as additional List. This has resulted inconsistency in categorization of industries among offices.

In order to overcome this difficulty, it is desired to categorize the industries as Red, Green and Orange, only by adopting the list and nomenclatures of type of industries as stipulated by CPCB.

Accordingly the issue was discussed among the senior officers and a proposal was formulated to incorporate the additional type of industries as Red and Orange in the specified list of industries.

The list of industrial categorization, incorporating the above modification suggested is appended as **Annexure**.

Circulation Agenda was placed before the Board to consider the above modifications in the Categorization of Industries issued in B.P.Ms. No. 34 dated 05.10.2012, and approve the modified categorization of Industries as appended in **Annexure**.

Agenda was circulated and the Board vide Board Circulation Agenda No.CA/BM/04/2013 dated 31.5.2013 resolved to approve the modifications in the Categorization of Industries issued in B.P.Ms. No. 34 dated 05.10.2012, and approved the modified categorization of Industries as appended in **Annexure**.

Encl: Annexure

Sd/*****
Member Secretary

To,

All JCEE (Monitoring)
All DEEs and AEEs heading the District
All HODs in Board

They are requested to furnish a copy of the BP to all the Engineers working under them.

Copy to

1. Financial Advisor
2. Manager (P&A)
3. BMS
4. All DEEs
5. File
6. Spare

For Member Secretary

ANNEXURE
REVISED LIST OF CATEGORIZATION OF INDUSTRIES
RED CATEGORY

| S. No. | Type of Industry |
|--------|---|
| 1 | Airports and Commercial Air Strips (including Airport / Air Strip) |
| 2 | Aluminium smelter |
| 3 | Asbestos and asbestos based industries |
| 4 | Automobiles Manufacturing (Integrated facilities) |
| 5 | Basic Chemicals and electro chemicals and its derivatives including manufacture of acids. |
| 6 | Ceramic, Refractories (including Abrasive Manufacturing Units, Artificial Stone manufacturing Units) |
| 7 | Cement |
| 8 | Chlor Alkali |
| 9 | Chlorates, perchlorates and peroxides |
| 10 | Chlorine, fluorine, bromine, iodine, and their compounds |
| 11 | Coal Washeries |
| 12 | Copper smelter |
| 13 | Coke making, liquefaction, coal tar distillation or fuel gas making (including Tar & Tar Products Manufacturing Units) |
| 14 | Common Treatment and disposal facilities (CETP, TSDF, E-Waste recycling, CBMWTF, Effluent conveyance project, incinerators, solvent/ Acid recovery plant, MSW sanitary landfill sites, STP) (including Sewage Treatment Plant, Electrical and Gasifier Crematorium) |
| 15 | Distillery including Fermentation industry |
| 16 | Dyes and Dye-Intermediates |
| 17 | Dry coal processing/mineral processing, industries involving ore sintering, palletisation, grinding, pulverization (including Iron, Ore & Coal Handling, Pulverizing Units, Mosaic Powder/China Clay) |
| 18 | Emulsion of oil & water |
| 19 | Fermentation industry including manufacture of yeast, beer, distillation of alcohol (ENA) |
| 20 | Fertilizer (basic) (excluding formulation) |
| 21 | Ferrous and Non ferrous metal extraction involving different furnaces through melting, refining, reprocessing, casting and alloy making |
| 22 | Fibre glass production and processing (Excluding moulding) |
| 23 | Fire crackers manufacturing and bulk storage facilities |
| 24 | Flakes from rejected PET bottle |
| 25 | Fly ash export, transport and disposal facilities (including Coal Ash Storage). |
| 26 | Health care establishment (As defined in BMW Rules) |
| 27 | Heavy engineering including Ship Building (including Light Engineering Units, Conveyor belt manufacturing / Reconditioning unit, Cylinder manufacturing unit / Washing unit) (With investment on Plant & Machineries more than 10 Crores) |
| 28 | Hot mix plants |
| 29 | Hotels (3 Star & above) and Hotels having 100 rooms and above |
| 30 | Hydrocyanic acid and its derivatives |
| 31 | Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black (including Graphite Processing Units, charcoal manufacturing units) |
| 32 | Industrial estates/parks/complexes /areas/ export processing zones/SEZs/Biotech parks/leather complex |
| 33 | Industrial inorganic gases namely:- |

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| | a) Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine |
| | b) Hydrocarbon gases: Methane, ethane, propane |
| 34 | Industries engaged in recycling / reprocessing/recovery/reuse of Hazardous Waste under schedule IV of Hazardous Waste (M,H & TBM) Rules, 2008 and its amendments |
| 35 | Industry or process involving foundry operations |
| 36 | Industry or process involving metal surface treatment or process such as pickling/plating/electroplating/paint stripping/heat treatment/phosphating or finishing and anodising/enamelling /galvanizing (including Printed Circuit Boards) |
| 37 | Iron and Steel (involving processing from ore/integrated steel plants and or sponge Iron Units |
| 38 | Isolated storage of hazardous chemicals (as per schedule of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended) (including LPG Bottling Plant) |
| 39 | Lead acid battery manufacturing (excluding assembling & charging of acid lead battery in micro scale (< Rs.25 lakhs) |
| 40 | Lime manufacturing (Using Lime Kiln) |
| 41 | Manufacturing of Explosives, detonators, fuses including management and handling activities |
| 42 | Manufacturing of Glass |
| 43 | Manufacturing of Glue and gelatin |
| 44 | Manufacturing of Lubricating oils, greases or petroleum based products |
| 45 | Manufacturing of Paints, Varnishes, pigments and intermediate (excluding blending/ mixing) (including French polish manufacturer) |
| 46 | Manufacturing of Starch/Sago |
| 47 | Milk processing and dairy products (integrated project) |
| 48 | Mineral stack yards/ Railway sidings |
| 49 | Mining and ore beneficiation (including Garnet / Rare Earth Mining, Granite / Stone Quarries) |
| 50 | New Highway construction projects. |
| 51 | Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (capital investment on plant & machinery > 1 crore) |
| 52 | Nuclear Power Plants (including Heavy Water Plants) |
| 53 | Oil & Gas extraction including CBM (offshore & onshore extraction through drilling wells) |
| 54 | Oil and gas transportation pipeline |
| 55 | Oil Refinery (Mineral Oil or Petro Refineries) |
| 56 | Organic chemicals manufacturing |
| 57 | Parboiled rice mills (more than 10 TPD) |
| 58 | Pesticides (Technical) excluding formulation) |
| 59 | Petrochemicals (Manufacture of and not merely use of as raw material) |
| 60 | Pharmaceuticals (excluding formulation) |
| 61 | Pulp and Paper (Paper manufacturing with or without pulping)- (including Handmade paper units, Kraft paper units and Leather Boards) |
| 62 | Phosphate rock processing plant |
| 63 | Phosphorous and its compounds |
| 64 | Photographic films and its chemicals |
| 65 | Ports & Harbours, Jetties and Dredging Operations |
| 66 | Power Generation Plants (Except Wind, Solar and Mini Hydel Power Plants of capacity <25 MW) and DG set of capacity > 5 MVA (including Hydel Power Plants >25 MW) |
| 67 | Processing involving chlorinated hydrocarbons. |

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| 68 | Railway Locomotive Workshops / Integrated Road transport workshop/ Authorized service centres |
| 69 | Reprocessing of used oils and waste oils |
| 70 | Ship breaking activities |
| 71 | Slaughter house (As per the notification S.O.270(E) dated: 26.03.2001) and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts. |
| 72 | Steel and steel products using various furnaces like blast furnaces / open hearth furnace/induction furnace / arc furnace/submerged arc furnace / basic oxygen furnace/hot rolling using reheating furnace. |
| 73 | Stone crushers |
| 74 | Sugar (excluding Khandasari) |
| 75 | Surgical and medical products involving prophylactics and latex |
| 76 | Synthetic detergents and soaps (excluding formulation) |
| 77 | Synthetic fibres including rayon, tyre cord, polyster filament yarn |
| 78 | Synthetic resins |
| 79 | Synthetic rubber excluding molding (including Tyre and Tube manufacturing) |
| 80 | Tanneries |
| 81 | Thermal Power Plants |
| 82 | Tobacco products including cigarettes and tobacco /opium processing |
| 83 | Vegetable oils including solvent extraction and refinery/ hydrogenated oils (including Flower Processing & Extraction Units) |
| 84 | Yarn/textile processing involving any effluent/ emission- generating process bleaching, dyeing, printing and scouring (including Surgical cotton / Bandage cloth manufacturing unit) |
| 85 | Zinc Smelter |
| 86 | Any industrial activity having coal fired boiler of Steam Generation Capacity of 5T/Hr or above |
| 87 | Aluminum powder |
| 88 | De-Polymerization/Pyrolysis of Plastic/Rubber to get Oil, Carbon Black etc |
| 89 | Desalination Plant from Sea Water |
| 90 | Match Work Units |
| 91 | Natural Rubber processing |
| 92 | Pesticide Formulation Units |
| 93 | Recycling and Re-Processing of e-Waste |
| 94 | Tyre & Tube, Rubber Compounds |

ORANGE CATEGORY

| S. No. | Type of Industry |
|--------|---|
| 301 | Almirah, Grill Manufacturing |
| 302 | Aluminium and copper extraction from scrap using oil fired furnace |
| 303 | Automobile servicing, repairing and painting (excluding only fuel dispensing) |
| 304 | Ayurvedic and Homeopathic medicine (including Herbal Products Manufacturing Units) |
| 305 | Bakery & confectionery units (with production capacity > 1 tpd) |
| 306 | Biaxially oriented PP film along with metalising operation (including Hologram manufacture, Metallic film manufacturer) |
| 307 | Brickfields (excluding fly ash brick manufacturing using lime process) |
| 308 | Building & construction projects more than 20,000 Sq mtr built up area |
| 309 | Cashew nut processing |
| 310 | Chanachur and laddoo from puffed and beaten rice(muri and chira) using husk fired oven |
| 311 | Chilling plant, cold storage and Ice making (including Cold Storage Units) |
| 312 | Coffee seed processing (including Coffee powder, Chickery manufacturing unit) |
| 313 | Coke briquetting (sun drying) |
| 314 | Cotton spinning and weaving (medium and large scale) (including wool processing units, Yarn twisting / Doubling / Reeling unit – without effluent generation) |
| 315 | Cutting, sizing and polishing of marble stones (including Stone & Granite Polishing Units) |
| 316 | Dairy and dairy products (small scale) (capital investment on plant & machinery < Rs. 1 crore) |
| 317 | Dal Mills |
| 318 | DG Set of capacity>1 MVA but < 5 MVA) |
| 319 | Digital printing on PVC cloth (including Photo Colour Lab) |
| 320 | Dismantling of rolling stocks (wagons/coaches) |
| 321 | Dry cell battery (excluding manufacturing of electrodes) & assembling & charging of acid lead battery in micro scale [< Rs. 25 lakhs] (including Battery Reconditioning & Repair units) |
| 322 | Emery powder (fine dust of sand) manufacturing |
| 323 | Engineering and fabrication units (including Light Engineering Units, Conveyor belt manufacturing / Reconditioning unit, Cylinder manufacturing unit / Washing unit) (With investment on Plant & Machineries < Rs. 10 Crores) |
| 324 | Excavation of sand from the river bed(excluding manual excavation) |
| 325 | Facility of handling storage and transportation of food grains in bulk. |
| 326 | Fertiliser (granulation and formulation only) |
| 327 | Fish feed, poultry feed and cattle feed (including Leather Meal) |
| 328 | Fish processing and packaging (excluding chilling of fish) including (Sea Food Processing Units) |
| 329 | Foam manufacturing (including Mat/mattress manufacture) |
| 330 | Food & food processing including fruits & vegetable processing (including Fruit Pulp Extraction, Gerkins / Agro products, Sea shell / Shell washing unit, Sea weed processing units, seed processing unit, Soft drinks manufacturing unit with investment on Plant and machinery less than 1 Crore) |
| 331 | Forging of ferrous & non-ferrous metal (using oil or gas fired boilers) |
| 332 | Formulation/palletization of camphor tablets, naphthalene balls from camphor/naphthalene powders |

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| 333 | Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln, Coating on glasses using Calcium fluoride, Magnesium fluoride etc., |
| 334 | Glue from starch (physical mixing) |
| 335 | Gravure printing, digital printing on flex, vinyl |
| 336 | Heat treatment using oil fired furnace (excluding Cyaniding) |
| 337 | Hotels (Less than 3 star) or hotels having > 20 rooms and less than 100 rooms. |
| 338 | Ice cream |
| 339 | Infrastructure development project (including Education Institutions, Kalyana Mandapam, Building & construction projects less than 20,000 Sq mt built up area) |
| 340 | Jute processing without dyeing |
| 341 | Liquid floor cleaner, black phenyl, liquid soap, glycerol mono stearate manufacturing (including Small Soap Units, Shoe polish manufacturing unit) |
| 342 | Manufacture of mirror from sheet glass |
| 343 | Manufacturing of iodized salt from crude/raw salt |
| 344 | Manufacturing of mosquito repellent coil |
| 345 | Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items (including Fragrances, Perfumes & Cosmetics Formulation Units) |
| 346 | Mechanized laundry using oil fired boiler (including Dry cleaning -washing) |
| 347 | Modular wooden furniture from particle board, MDF, Swan timber etc. Ceiling tiles/partition board from saw dust, wood chips etc., & other agricultural waste using synthetic adhesive resin, wooden box making |
| 348 | Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn |
| 349 | Paint blending & missing (Ball mill) |
| 350 | Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose) |
| 351 | Plyboard manufacturing (including veneer & laminate) with oil fired boiler/thermic fluid heater (without resin plant) including Lamination board manufacturing unit |
| 352 | Potable alcohol (IMFL) by blending, bottling of alcoholic products (capital investment on plant & machinery < Rs. 1 Crore |
| 353 | Power press |
| 354 | Printing ink manufacturing (including Printing Ink / Ink Manufacturing Units) |
| 355 | Printing or etching of glass sheet using hydrofluoric acid |
| 356 | Producer gas plant using conventional up-drift coal gasification (linked to rolling mills, glass and ceramic industry, refractories for dedicated fuel supply) |
| 357 | Pulverisation of bamboo and scrap wood |
| 358 | Repairing of electric motor & generator |
| 359 | Reprocessing of waste plastic (excluding PVC) |
| 360 | Rice mill less than 10 TPD & rice hullers |
| 361 | Rolling Mill (oil or gas fired) and cold Rolling mill |
| 362 | Saw mill |
| 363 | Seasoning of wood in steam heated chamber |
| 364 | Silk screen printing, Saree printing by wooden blocks (including Sericulture units, Silk processing unit- not involving wet operations) |
| 365 | Spice grinding (>20 HP motor) |
| 366 | Spray painting, paint baking, Paint stripping |
| 367 | Tamarind powder manufacturing |
| 368 | Tea processing |
| 369 | Thermocol manufacturing |
| 370 | Thermometer making |
| 371 | Transformer repairing/manufacturing |
| 372 | Tyres and tubes vulcanization/hot retreading |

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| 373 | Wire drawing & Wire netting |
| 374 | Aquaculture Units |
| 375 | Bottle Washing units |
| 376 | Cable wire manufacturing |
| 377 | Cement bagging unit |
| 378 | Cement / Scrap / Fish Meal & other Godowns |
| 379 | Chemical Mixing / Storage units |
| 380 | Desalination Plant from Ground water |
| 381 | Dry Tanning Operations |
| 382 | Electrode / Welding rods manufacturing |
| 383 | Fish net manufacture / Washing unit |
| 384 | Lighter Manufacture |
| 385 | Organic manure manufacturing unit |
| 386 | Sizing Units |
| 387 | Stationary products manufacturing units |
| 388 | Steam calendaring |
| 389 | Stiff collar manufacturing unit |
| 390 | Tissue culture unit |
| 391 | Water treatment plant |

GREEN CATEGORY

| Sl. No. | Type of Industry |
|---------|---|
| 601 | Assembling of Acid lead battery (up to 10 batteries per day excluding lead plate casting) |
| 602 | Aluminium utensils from aluminium circles |
| 603 | Assembly of air coolers / conditioners, repairing and servicing |
| 604 | Assembly of bicycles, baby carriage and other small non-motorised vehicles |
| 605 | Automobile fuel outlet (only dispensing) |
| 606 | Ayurvedic and Homeopathic medicine (without boiler) |
| 607 | Bailing (hydraulic press) of waste papers |
| 608 | Bakery / Confectionery / Sweets production (with production capacity < 1tpd with oil, gas or electrical oven) |
| 609 | Bio fertilizer & bio-pesticide without using inorganic chemicals |
| 610 | Biomass Briquettes (sun drying) without using toxic or hazardous wastes. |
| 611 | Biscuit trays etc from rolled PVC sheet (using automatic vacuum forming machine) |
| 612 | Blending and packaging of Tea |
| 613 | Blending of melamine resins & different powder , additives by physical mixing |
| 614 | Block making for printing without foundry (excluding wooden block making) |
| 615 | Brass & Bell metal utensils manufacturing from circle (without re-Rolling facility) |
| 616 | Candy |
| 617 | Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boiler) (including Paper products manufacturing unit) |
| 618 | Carpentry and wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electric wood planner, steel saw cutting circular blade etc. |
| 619 | Cement products (without using Asbestos) like pile, pillar, jafri, well ring, blocks/tiles etc. (should be done under closed covered shed to control fugitive emission) including Concrete slab/sleepers |
| 620 | Ceramic colour manufacturing (not using boiler and waste waste recycling process) |
| 621 | Chalk making from plaster of paris. |
| 622 | Chilling plant and Ice making without use of ammonia |
| 623 | Coated electrode manufacturing |
| 624 | Compact disc, computer floppy & cassette manufacturing |
| 625 | Compressed oxygen gas from crude liquid oxygen |
| 626 | CO2 recovery |
| 627 | Cotton and woolen hosiery making (SSI & Cottage industries) |
| 628 | Cotton spinning & weaving (small scale) |
| 629 | Decoration of ceramic cups & plates by electric furnace |
| 630 | Diesel Generator sets (15 KVA to 1 MVA) |
| 631 | Diesel pump repairing & servicing |
| 632 | Distilled water |
| 633 | Electric lamp (bulb) manufacturing (small scale) |
| 634 | Electrical & electronic items assembling |
| 635 | Flavoured bettle nut production/grinding |
| 636 | Flour mills (dry process) |
| 637 | Fly ash bricks / blocks manufacturing |
| 638 | Fountain pen manufacturing |
| 639 | Glass ampules & vials making from glass tubes. |
| 640 | Glass putty and sealant |
| 641 | Glass, ceramic, earthen potteries and tile manufacturing using electrical kiln or not involving fossil fuel kilns |
| 642 | Gold and Silver smithy (purification with acid, smelting operation and sulfuric acid polishing operation) (using less than or equal to 1 litre of Sulphuric Acid / Nitric Acid per month) |
| 643 | Groundnut decorticating (dry) |

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| 644 | Handloom / Carpet weaving (without dyeing and bleaching operation) |
| 645 | Hotels (up to 20 rooms) |
| 646 | Insulation and other coated papers (excluding paper or pulp manufacturing) manufacturing |
| 647 | Jobbing and machining |
| 648 | Leather cutting and stitching (more than 10 machines and using motor) |
| 649 | Leather footwear and leather products (excluding tanning and hide processing) (except cottage scale) |
| 650 | Lubricating oil & greases or petroleum based products (only blending at normal temperature) |
| 651 | Manufacturing of coir items from coconut husk |
| 652 | Manufacturing of metal caps, containers etc. |
| 653 | Manufacturing of optical lenses (using electrical furnace) |
| 654 | Manufacturing of pasted veneers without using boiler or Thermic Fluid Heater or by sun drying. |
| 655 | Manufacturing of shoe brush & wire brush |
| 656 | Manufacturing of silica gel (without furnace) |
| 657 | Medical oxygen |
| 658 | Mineralized water |
| 659 | Oil mill ghani & extraction (no hydrogenation /refining) |
| 660 | Organic and inorganic nutrients (by physical mixing) |
| 661 | Organic manure (manual mixing) |
| 662 | Paints and varnishes (mixing and blending) (without ball mill) |
| 663 | Packing of powdered milk |
| 664 | Paper pins and U-clips (including Pin manufacturer (without electro plating)) |
| 665 | Phenyl/Toilet cleaner formulation & Bottling |
| 666 | Reel manufacturing |
| 667 | Polythene & Plastic processed products manufacturing (virgin plastics) |
| 668 | Poultry, hatchery, piggery |
| 669 | Power looms (without dyeing and bleaching) |
| 670 | Printing press |
| 671 | Puffed rice (muri) (using, oil, gas or electrical heating system) |
| 672 | Ready mix cement concrete |
| 673 | Reprocessing of waste cotton (including Ginning Mills / Waste Cotton Units) |
| 674 | Rope (Cotton & Plastic) |
| 675 | Rubber goods industry (with baby boiler oily) |
| 676 | Scientific and mathematical instruments manufacturing (including Musical instruments manufacturing) |
| 677 | Soap manufacturing (Handmade without steam boiling) |
| 678 | Solar module (Non conventional energy apparatus) manufacturing unit (including Solar Cell manufacturing Units) |
| 679 | Solar power generation through solar photovoltaic cell, wind power & mini hydel power (< 25 MW) including Hydel power plant (Small) |
| 680 | Spice grinding (<20 HP motor) |
| 681 | Steel furniture without spray painting |
| 682 | Steeping and processing of grains |
| 683 | Surgical and medical products not involving effluent/ emission generating processes |
| 684 | Synthetic detergent formulation, |
| 685 | Teflon based products |
| 686 | Tyres and tubes retreading (without boiler) |